AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1- 3. (canceled).

4. (currently amended): An electric power converter comprising:

a main circuit unit comprising:

a converter unit configured to convert a first alternating current (AC) voltage into a direct current (DC) voltage;

a switching unit comprising a switching element configured to convert the DC voltage into a second AC voltage, wherein the second AC voltage has ~~an arbitrary~~ a frequency value and ~~an arbitrary~~ a voltage value, and the second AC voltage is supplied to a load;

a first storage unit configured to store at least: characteristics of the main circuit unit, calibration values of ~~the~~ a plurality of detectors, a production history, an operation history, and specifications of the main circuit unit; and

~~a~~ the plurality of detectors; and

a control unit comprising a second storage unit configured to prestore setup information, wherein the setup information includes a setting for driving the load, which includes an operating mode of the load or a setting for display,

wherein the the control unit is configured to control the switching element to reach a desired on or off state based on: information concerning an operation of the load preset by the second storage unit, and information provided by the plurality of detectors,

wherein the main circuit unit and the control unit are detachably attached to each other such that the control unit can be replaced with another control unit which is different from the control unit.

5. (previously presented): The electric power converter according to claim 4, wherein the plurality of detectors further comprise a current detecting unit configured to detect an electric current flowing between the switching element and the load.

6. (currently amended): The electric power converter according to claim 4, wherein the plurality of detectors further include:

an output voltage detecting unit configured to detect the second AC voltage;

a DC voltage detecting unit configured to detect the ~~second AC~~ DC voltage; and

a temperature detecting unit configured to detect a temperature of the switching unit.

7. (previously presented): The electric power converter according to claim 4, further comprising a communication circuit configured:

to receive the production history and the operation history from the first storage unit; and

to send the calibration values of the plurality of detectors to the control unit.

8. (previously presented): The electric power converter according to claim 4, wherein the main circuit further comprises a harness having a first connector attached thereto,

wherein the control unit further comprises a second connector which is disposed on a side wall surface of the control unit, the control unit being united to the main circuit unit, and

wherein the main circuit unit and the control unit are electrically connected by connecting the first connector and the second connector.

9. (previously presented): The electric power converter according to claim 4, wherein the main circuit further comprises a first connector disposed on a side wall surface of the main circuit unit,

wherein the control unit further comprises a second connector disposed on a side wall surface of the control unit,

wherein the side wall surface of the control unit is configured to be brought into contact with the side wall surface of the main circuit as the first connector is simultaneously brought into contact with the second connector, thereby creating an electric connection between the control unit and the main circuit unit.

10. (previously presented): The electric power converter according to claim 4, wherein the control unit performs open-loop control, and the another control unit performs closed-loop control.

11. (canceled).